



### Attorney Docket No. 51473

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Gallagher et al.

U.S.S.N.:

10/661,051

Art Unit:

1765

FILED:

September 13, 2003

Examiner:

Not Yet Assigned

FOR:

AIR GAP FORMATION

#### **CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on -

10127 2004

Deanna M. Rivernide

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

## I. <u>LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION</u>

The patents, publications or other information submitted for consideration by the Examiner are listed on the PTO-1449 form, attached hereto. The documents were not previously cited.

#### II. COPIES

Submitted herewith is a legible copy of (i) non-patent literature and each foreign patent or English abstract of a foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

Pursuant to 37 C.F.R. 1.98(a), Applicant is not required to furnish copies of the cited U.S. patents or patent application publications for all U.S. national patent applications filed after June 30, 2003.

## III. CONCISE EXPLANATION OF THE RELEVANCE

All of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).

# <u>FEES</u>

IV.	THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)						
	(check one box)						
	a. 🗌	within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.					
	b	within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.					
	c. 🛚	before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e)below, or, if no certification has been made, charge our deposit account a fee in the amount of \$240.00 as required by 37 C.F.R. § 1.17(p).					
V.	BEING FILED UNDER 37 C.F.R. § 1.97(c):						
	before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).						
	a. No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R § 1.17(p).						
	b. See the certification below. No fee is required.						
VI.	CERTIFICA	TION UNDER 37 C.F.R. § 1.97(e) (check only one box)					
The ur	dersigned hereb	y certifies that					
	a. 🗌	each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or					
	b. 🗌	no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.					

1105.

·	c. [	Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.
		nclosed please find a check in the amount of \$ for the above dicated fee.
		ease charge Deposit Account No. 04-1105 in the amount of \$180.00 for the above-indicated e. A triplicate copy of this paper is attached.
X	N	o fee is required.

Respectfully submitted,

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition, if necessary) and charge the appropriate fee to Deposit Account No. 04-

S. Matthew Cairns (Reg. No. 42,378)

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# Sheet 1 of 1

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FORM PTO-1449					TY DOCKET NO.	SERIAL NO.			
INFORMATION DISCLOSURE STATEMENT					51473		10/661,051		
				APPLICANT(S): Gallagher et al.					
					FILING DATE: 09/13/2003		ART UNIT: 1765		
		UNITED S	TATES PATENT	ΓDC	OCUMENTS				
EXAM. INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUB CLASS	FIL. DATE IF APPR	
	AA	4,987,101	01/22/1991		Kaanta et al.				
	AB	5,103,288	04/07/1992		Sakamoto et al.				
	AC	5,266,126	11/30/1993		Deguchi				
	AD	5,324,683	06/28/1994		Fitch et al.				
	AE	5,461,003	10/24/1995		Havemann et al.				
	AF	5,668,398	09/16/1997		Havemann et al.				
	AG	5,936,295	08/10/1999		Havemann et al.				
	AH	6,071,805	06/06/2000		Liu				
	AI	6,165,890	12/26/2000		Kohl et al.				
	AJ	6,261,942	07/17/2001		Zhou et al.				
	AK	6,316,347	11/13/2001		Chang et al.				
	AL	6,342,722	01/29/2002		Armacost et al.				
	AM	6,380,106	04/30/2002		Lim et al.				
	AN	6,423,629	07/23/2002		Ahn et al.				
	OTHER I	DOCUMENTS (INCLUDI							
	BA	Kohl et al.; "Air-Gaps fo pp. 49-51 (1998).	r Electrical Interc	onne	ctions"; Electrochemical	and Solid	Sate Lette	rs, 1 (1)	
	<u> </u>	<u> </u>							
Examiner:				Date:					
				-					